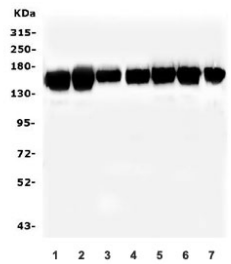
SMARCAD1 Antibody (RQ5189)

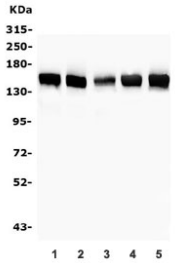
Catalog No.	Formulation	Size
RQ5189	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

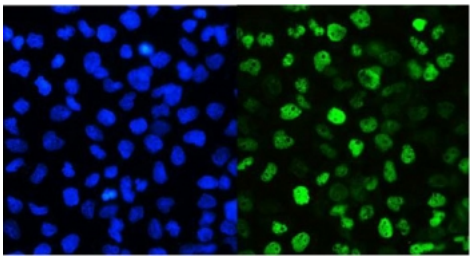
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q9H4L7
Localization	Nuclear
Applications	Western blot: 0.1-0.5ug/ml Immunohistochemistry (FFPE): 0.5-1ug/ml Immunofluorescence: 2-4ug/ml Flow cytometry: 1-3ug/ml Immunoprecipitation: 2ug antibody/500ug lysate Direct ELISA: 0.1-0.5ug/ml
Limitations	This SMARCAD1 antibody is available for research use only.



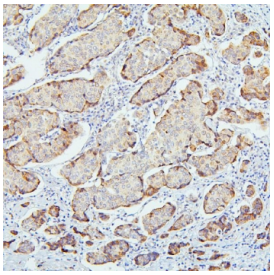
Western blot testing of human 1) K562, 2) HL-60, 3) U-2 OS, 4) U-87 MG, 5) HepG2, 6) ThP-1 and 7) A549 lysate with SMARCAD1 antibody. Predicted molecular weight ~117 kDa but can be observed at up to ~150 kDa.



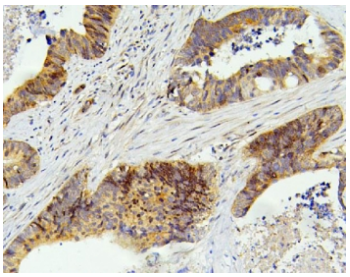
Western blot testing of 1) rat testis and mouse 2) thymus, 3) lung, 4) testis and 5) kidney tissue lysate with SMARCAD1 antibody. Predicted molecular weight ~117 kDa but can be observed at up to ~150 kDa.



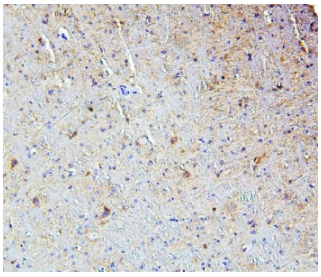
Immunofluorescent staining of FFPE human A431 cells with SMARCAD1 antibody (green) at 2ug/ml and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



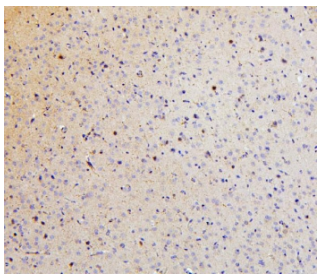
IHC staining of FFPE human breast cancer with SMARCAD1 antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 20 min and allow to cool before testing.



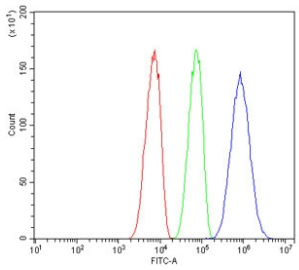
IHC staining of FFPE human colon cancer with SMARCAD1 antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 20 min and allow to cool before testing.



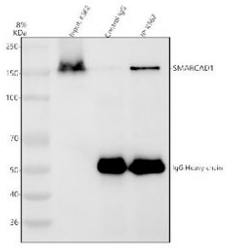
IHC staining of FFPE mouse brain with SMARCAD1 antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 20 min and allow to cool before testing.



IHC staining of FFPE rat brain with SMARCAD1 antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 20 min and allow to cool before testing.



Flow cytometry testing of human SiHa cells with SMARCAD1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= SMARCAD1 antibody.



Immunoprecipitation of SMARCAD1 protein from 500ug of human K562 whole cell lysate with 2ug of SMARCAD1 antibody.

Description

SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily A containing DEAD/H box 1 is a protein that in humans is encoded by the SMARCAD1 gene. It is mapped to 4q22.3. This gene encodes a member of the SNF subfamily of helicase proteins. The encoded protein plays a critical role in the restoration of heterochromatin organization and propagation of epigenetic patterns following DNA replication by mediating histone H3/H4 deacetylation. Mutations in this gene are associated with adermatoglyphia. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.

Application Notes

Optimal dilution of the SMARCAD1 antibody should be determined by the researcher.

Immunogen

Amino acids D827-T1002 from the human protein were used as the immunogen for the SMARCAD1 antibody.

Storage

Store the SMARCAD1 antibody at -20oC.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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